9. Write a program that demonstrates the use of various methods available in StringBuffer class. Write a program to find the Maximum Element in an Integer Array

Code

```
public class StringBufferArrayDemo {
    public static void main(String[] args) {

        // StringBuffer Methods
        StringBuffer sb = new StringBuffer("Hello");

        System.out.println("Original StringBuffer: " + sb);

        sb.append(" Java");
        System.out.println("After Append: " + sb);

        sb.insert(6, "World ");
        System.out.println("After Insert: " + sb);

        sb.replace(6, 11, "GPT");
        System.out.println("After Replace: " + sb);

        sb.delete(6, 10);
        System.out.println("After Delete: " + sb);
```

```
        sb.reverse();
        System.out.println("After Reverse: " + sb);

        System.out.println("Length: " + sb.length());

        // Maximum Element in Array
        int arr[] = {12, 45, 7, 89, 34};

        int max = arr[0];

        for (int i = 1; i < arr.length; i++) {
            if (arr[i] > max) {
                max = arr[i];
            }
        }

        System.out.println("\nMaximum Element in Array: " +
max);
    }
}
```